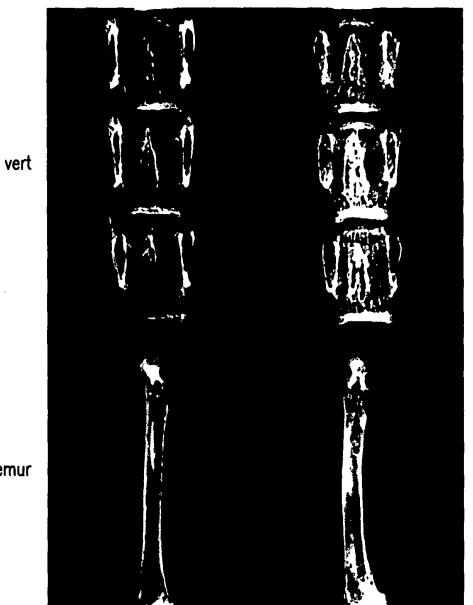
wt

ob/ob



femur

FIG.1A

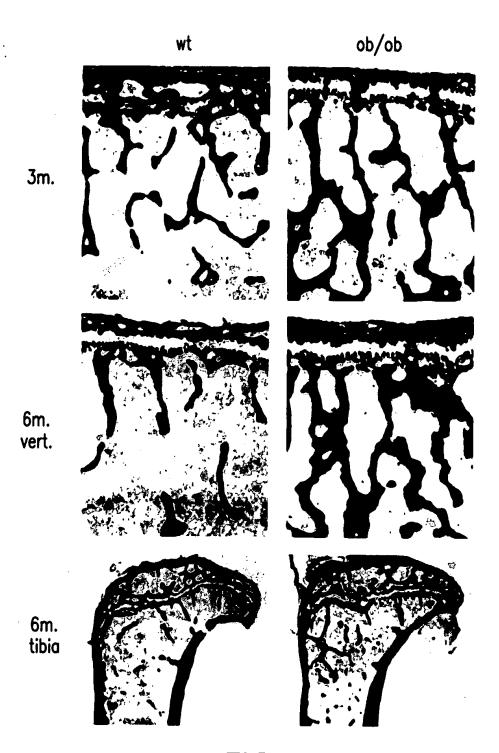


FIG.1B



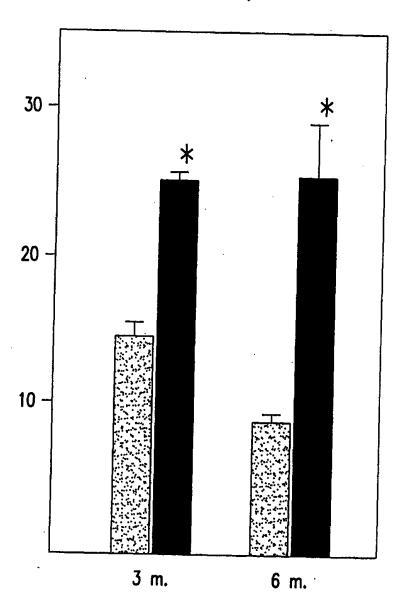


FIG. 1C

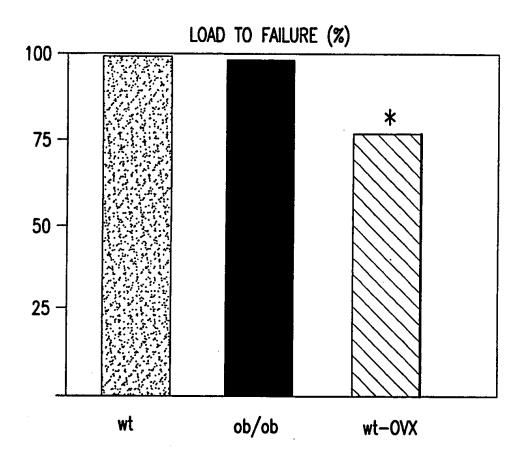


FIG. 1D

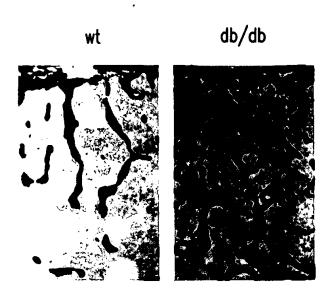


FIG.1E

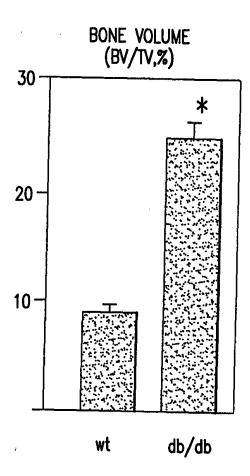


FIG. 1F

wt. 1 mo

ob/ob 1 mo LFdiet





B. WEIGHT (g)

17.8 ± 3.1

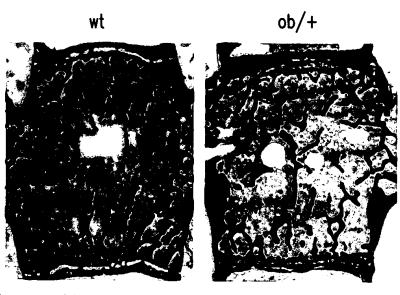
20.3 ± 1.6

BONE VOL. (%)

 13.8 ± 1.0

25.1 ± 1.4

FIG.2A



B. WEIGHT (g)

 20.4 ± 0.7

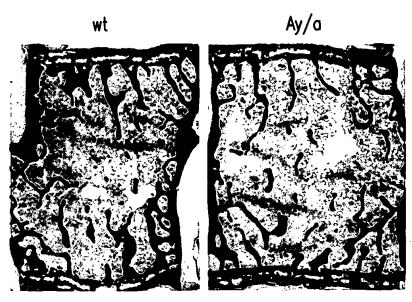
 19.63 ± 0.2

BONE VOL. (%)

 12.9 ± 0.9

 21.0 ± 0.7

FIG.2B



B. WEIGHT (g)

 20.5 ± 0.6

 27.7 ± 1.9

BONE VOL. (%)

 14.0 ± 1.2

 12.1 ± 0.8

FIG.2C

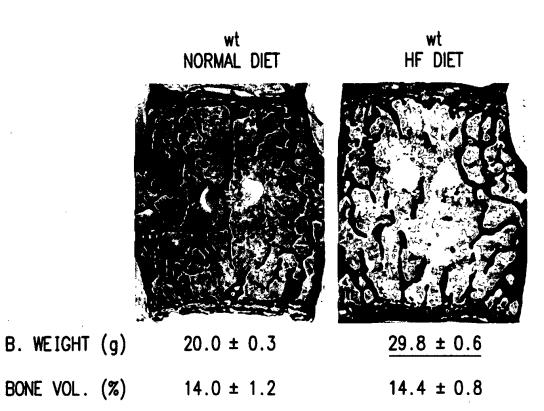


FIG.2D

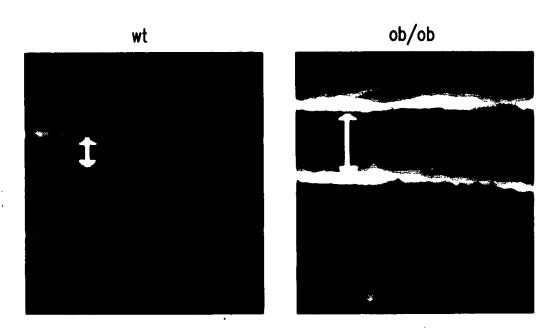


FIG.3A

BONE FORMATION RATE ($\mu m^3/\mu m^2/YEAR$)

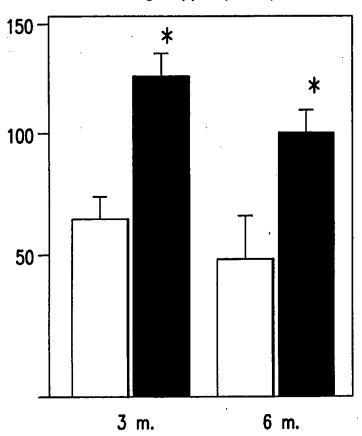
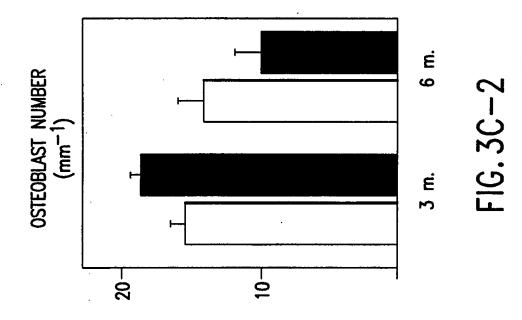
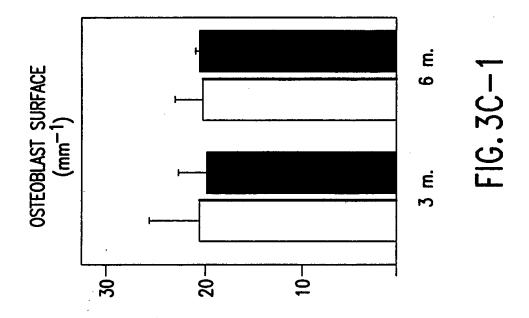


FIG. 3B





BONE FORMATION RATE ($\mu m^3/\mu m^2/\text{YEAR}$)

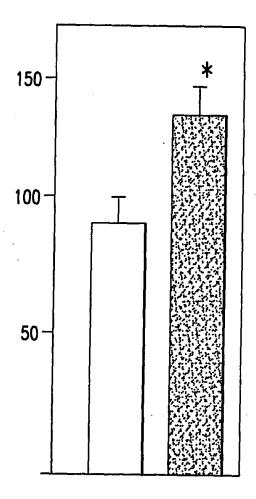
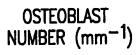


FIG. 3D



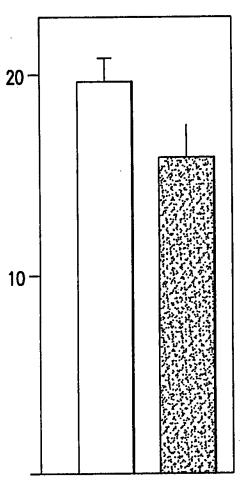
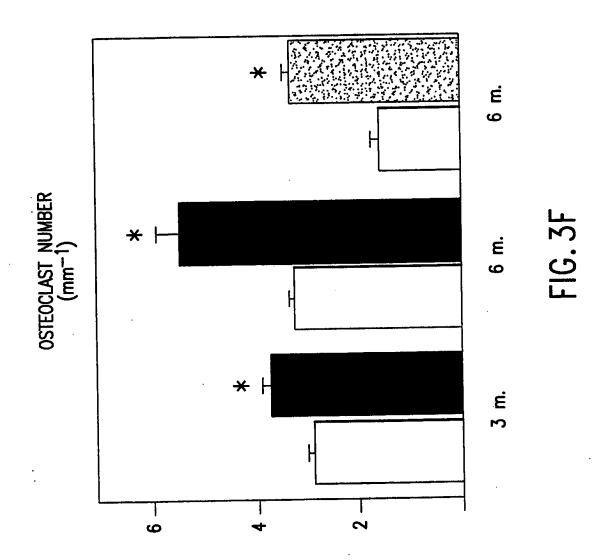


FIG. 3E



BONE FORMATION RATE (μ m 3 / μ m 2 /YEAR)

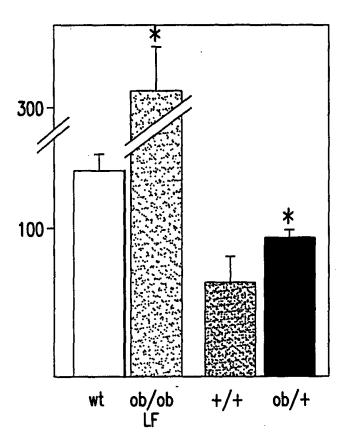
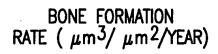


FIG. 3G



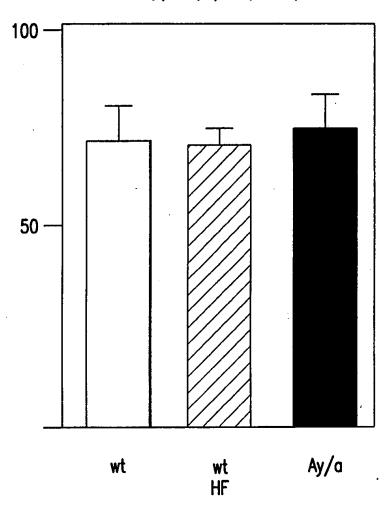


FIG. 3H

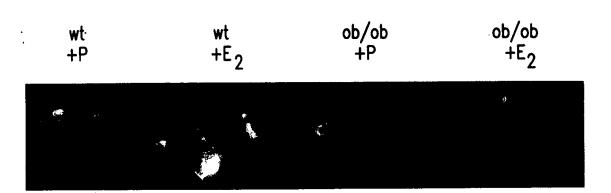


FIG.4A

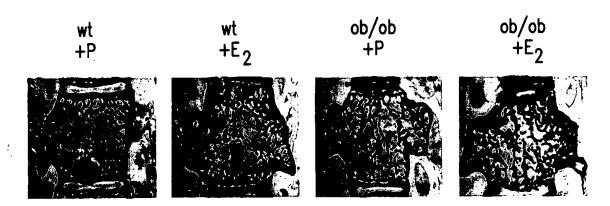


FIG.4B

Inventor(s): Karsenty et al.

Title: "Methods and Compositions for control of bone formation via modulation of leptin activity"

OSTEOCLAST NUMBER (mm^{-1})

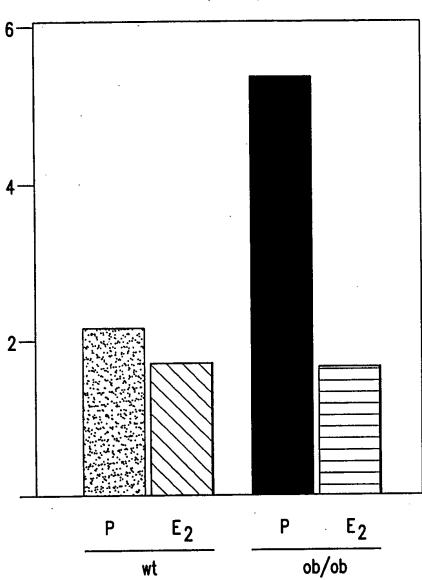


FIG. 4C

BONE VOLUME (BV/TV, %)

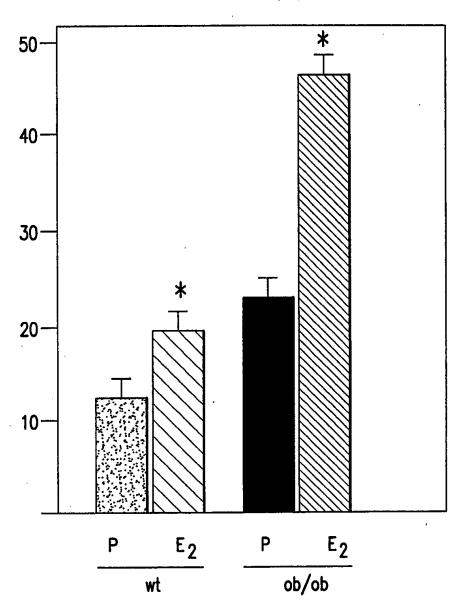
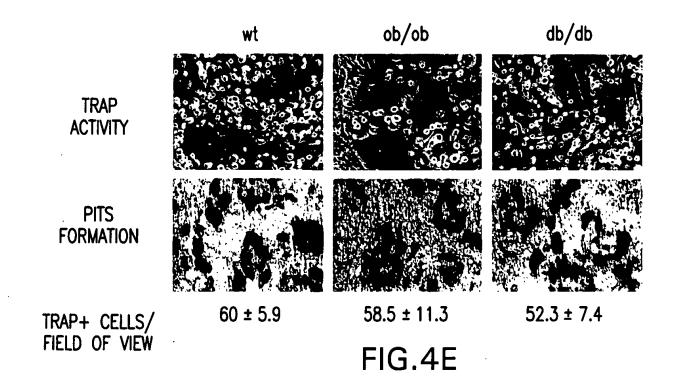


FIG. 4D



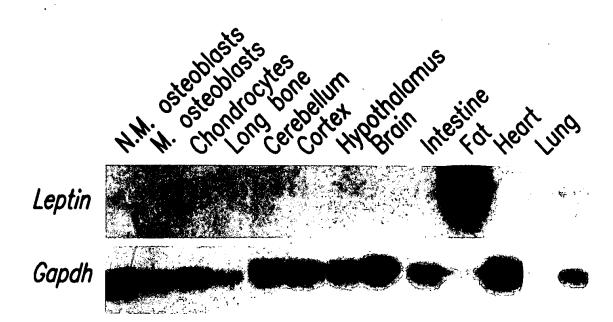


FIG.5A

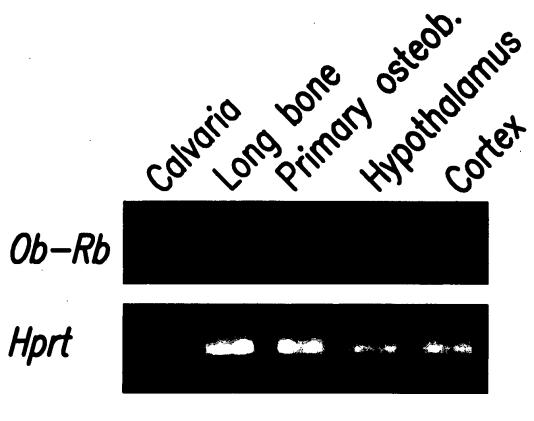


FIG.5B

x vehicle x leptin x osh

Stat3

Phospho Stat3

FIG.5C

Title: "Methods and Compositions for control of bone formation via modulation of leptin activity"

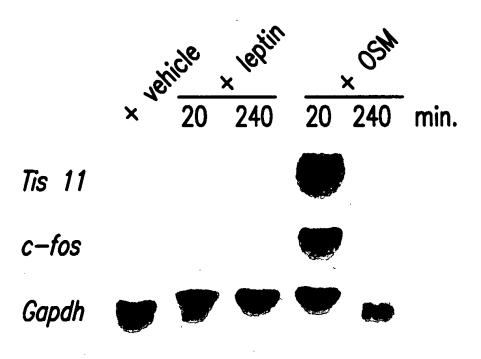


FIG.5D

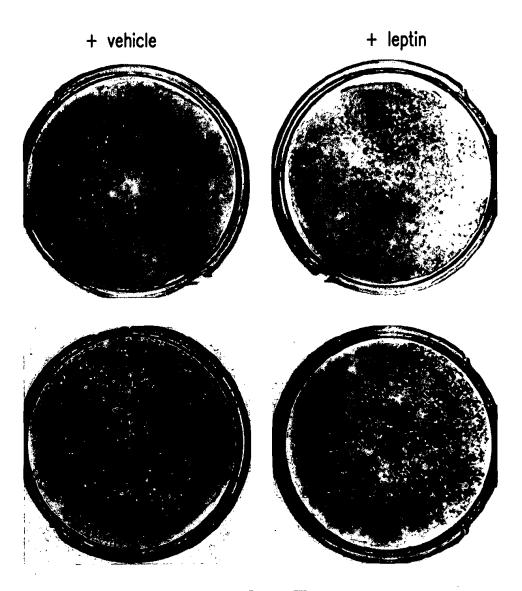


FIG.5E

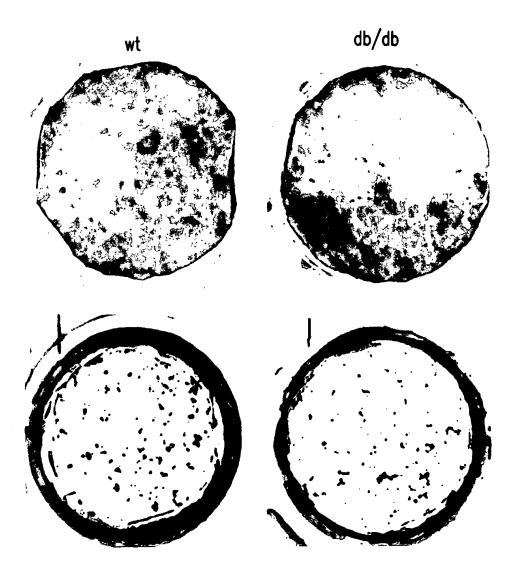


FIG.5F

Title: "Methods and Compositions for control of bone formation via modulation of leptin activity"

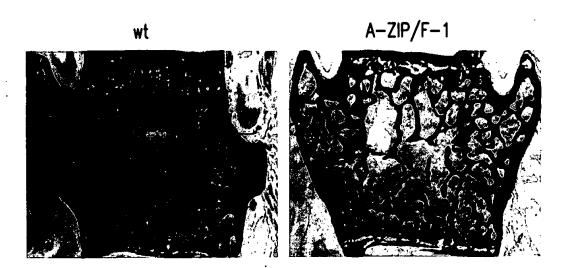


FIG.6A

Inventor(s): Karsenty et al.

Title: "Methods and Compositions for control of bone formation via modulation of leptin activity"

BONE VOLUME (BV/TV, %)

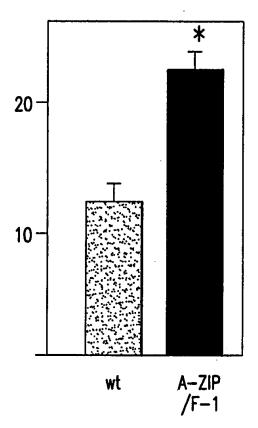


FIG. 6B

inventor(s): Karsenty et al.

Title: "Methods and Compositions for control of bone formation via modulation of leptin activity"

BONE FORMATION RATE $(\mu m^3/\mu m^2/YEAR)$

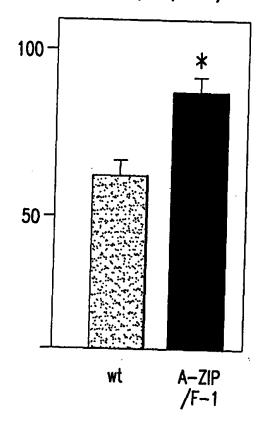


FIG. 6C

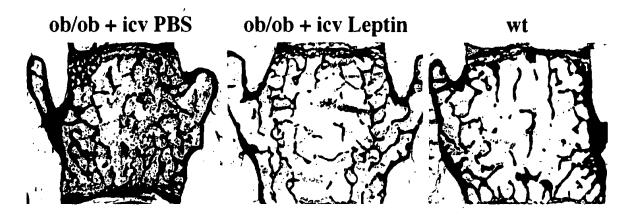


FIG.7A

BONE VOLUME (BV/TV, %)

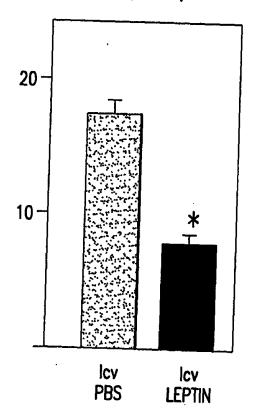


FIG. 7B

TRABECULAR THICKNESS (μ m)

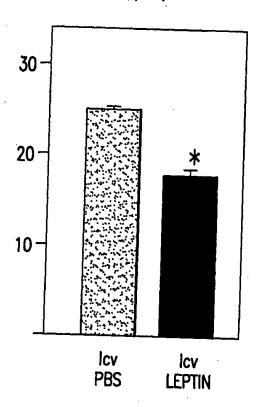


FIG.7C

Inventor(s): Karsenty et al.

Title: "Methods and Compositions for control of bone formation via modulation of leptin activity"

BONE FORMATION RATE $(\mu m^3/\mu m^2/YEAR)$

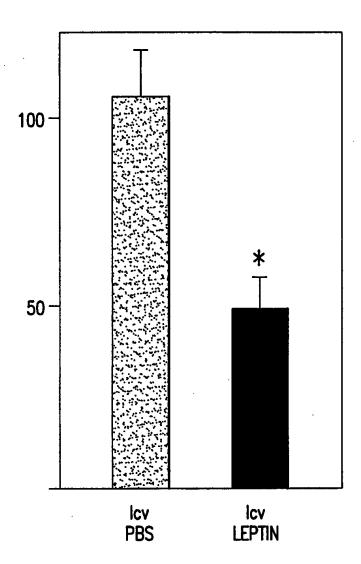


FIG. 7D

	BONE VOLUME BV/TV (%)	BODY WEIGHT (9)
MALES WILD-TYPE (3 MONTHS)	12.63 ± 2.4	23.3 ± 0.6
MALES TRANSGENIC (3 MONTHS)	24.9 ± 1.4	25.8±1.8
FEMALES WILD—TYPE (3 MONTHS)	16.46±0.1	19.0±0.2
FEMALES TRANSGENIC (3 MONTHS)	20.3 ± 2.2	20.5 ± 0.1

FIG. 8